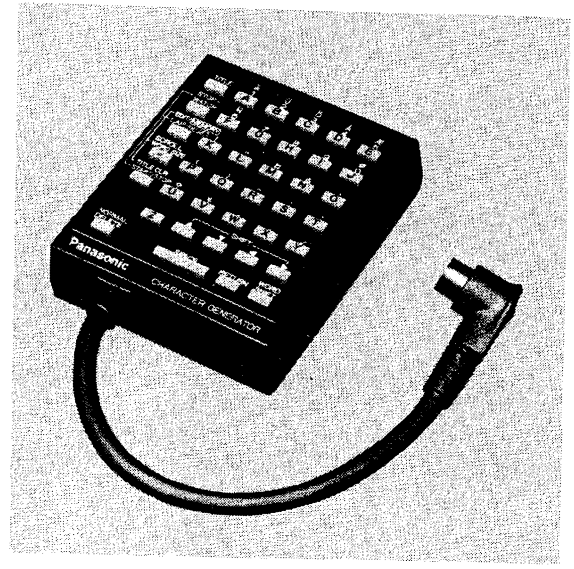
Character Generator

WV-KB12E

Operating Instructions



Panasonic

Before attempting to connect or operate this product, please read these instructions completely.

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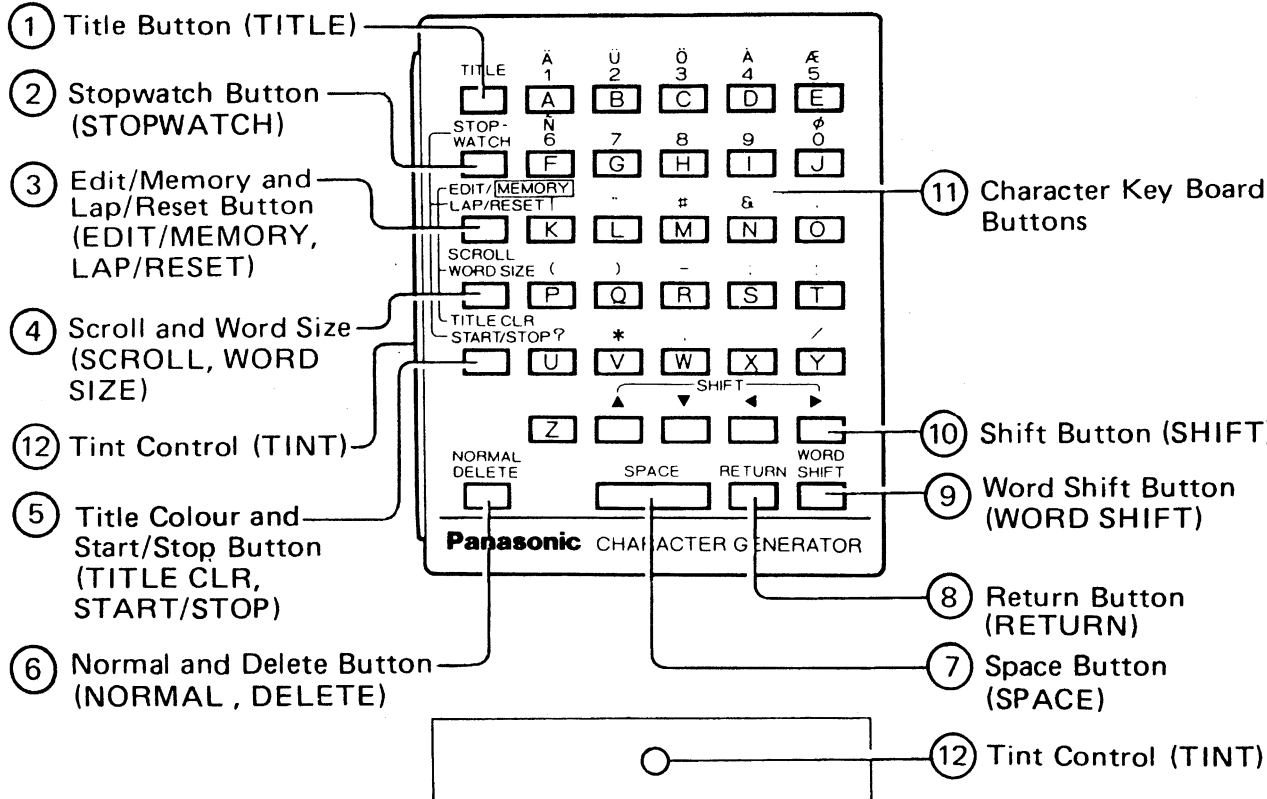
FEATURES

This Character Generator (full key board) features a random access key selections. By connecting with Panasonic colour cameras WV-V3 series, the following functions/operations are actuated as;

1. 8 pages of character displays and a scroll feature for versatile program productions
2. Seven selectable colours for characters
3. Stopwatch with lap time feature
4. Seven selectable colours for fade in and fade out.

OPERATING CONTROLS AND THEIR FUNCTIONS

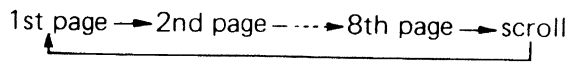


1. **Title Button (TITLE)**

The 8 pages and scroll is sequentially changed by pressing this TITLE button as;

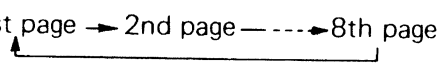
(1) In Edit Mode

The titles in 8 pages and scroll are edited/produced in edit mode by pressing the character key board buttons and when the editing page would completed and wants to shift for next page, press the TITLE button. The pages and scroll are sequentially shifted by TITLE button as;



(2) In Normal and/or Recording Mode

The edited titles are read out and sequentially shifted the pages by pressing the TITLE button as;



2. **Stopwatch Button (STOPWATCH)**

The stopwatch can be recorded with the camera picture.

The stopwatch is displayed in the Normal and/or Recording mode, but is not displayed in the scroll mode.

3. **Edit/Memory and Lap/Reset Button (EDIT/ MEMORY , LAP/RESET)**

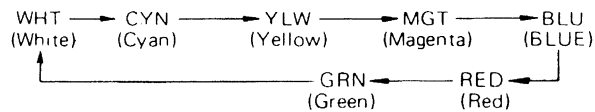
This button has the dual functions : one for editing or memory of the titles and scroll, and another for stopwatch lap or stopwatch reset.

4. **Scroll and Word Size (SCROLL, WORD SIZE)**

This button has the dual functions : one for reading out scroll and starting or stopping of scroll in the Normal or Recording Mode and another for selecting three word sizes - small, middle, large in Edit Mode.

The display of the scroll always starts from first row.

5. **Title Colour Start/Stop Button (TITLE CLR, START/STOP)**
This button has the dual functions : one for changing colour of the character by pressing this button sequentially as;



and another for starting or stopping the stopwatch.

6. **Normal and Delete Button (NORMAL, DELETE)**
This button has dual functions :

(1) Picture with displayed characters
To be normal picture, press this button and delete all displayed characters from the picture.

(2) In Edit Mode
- o To delete the whole displayed characters in that page of 8 pages, press this button.
- o To delete the characters in line with the blinking character in scroll, press this button.

7. **Space Button (SPACE)**
While the titles or scroll are editing, the space among words is set by pressing this button just like typewriter's space button.

8. **Return Button (RETURN)**
(1) Titles in 8 pages
- o The blinking position is shifted to first position of next line while the titles are editing.

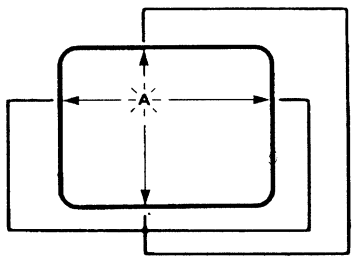
(2) Titles in Scroll
The blinking position is shifted to the first position of next line and whole previous line is also shifted to one step up.

9. **Word Shift Button (WORD SHIFT)**
By pressing this button, the alphabetic words and numerical numbers/symbol and words/symbol of Ä Ü Ö Å ÆÑ Ø marks can be selected.

10. Shift Button (SHIFT)

(1) Titles in 8 pages

The blinking positions are shifted as circle on the same row or column as shown below ;



(2) Titles in Scroll

The blinking position are shifted as circle on the same row, but for column, the blinking position are shifted up to the first row and stopped, or are shifted down to the 40th row and stopped.

When the shift button is pushed once, then one space can be shifted on the same row or column. While the shift button is kept pushing, Auto-repeat function (shift sequentially) can be obtained on the same row or column.

11. Character Key Board Buttons

The alphabetic words and numerical numbers/symbol and words/symbol of Ä Ü Ö Å Æ Ñ Ø marks can be selected random accessly as shown on the key board button when the titles on 8 pages and scroll.

12. Tint Control (TINT)

This control can adjust the tint of colour.

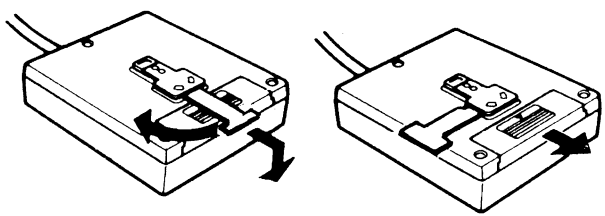
This control should be made by qualified service personnel.

PREPARATION

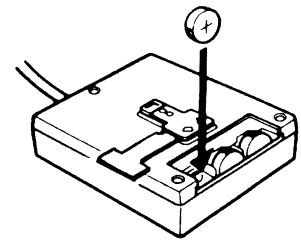
A. Backup Battery Installation

Three LR44 alkaline batteries or SR44 (BG) are used as the backup battery.

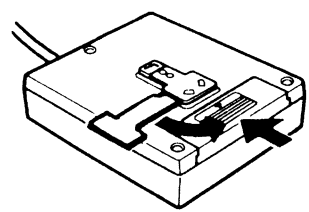
1. Pull the shoe stopper out fully and while pushing it downward, turn the shoe stopper of the character generator and slide the cover/door of the battery compartment as shown in the diagram.



2. Check the position/polarity of the batteries and install three batteries into the compartment properly as shown in the diagram.



3. Put the cover back and turn back the shoe stopper of the character generator as shown in the diagram.



Note : (1) Do not recharge the battery. The battery is not rechargeable.

(2) Do not make the short circuit between + polarity and − polarity of the battery.

(3) Do not put/through into the fire.

(4) Do not mix the different type of batteries.
Use the same type of batteries.

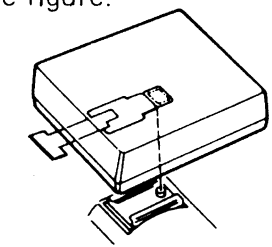
(5) Do not use the used batteries and new battery together. Replace three batteries together.

(6) The new battery may operate one year.

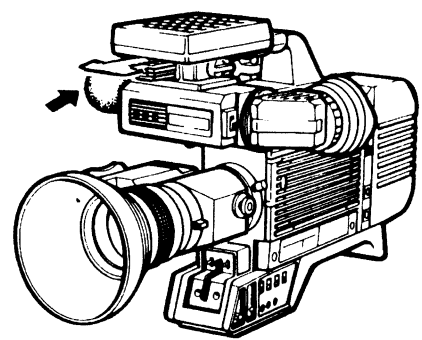
(7) Some battery may not operate one year, because some battery has been already discharged and becomes low level.

B. Installation Procedure

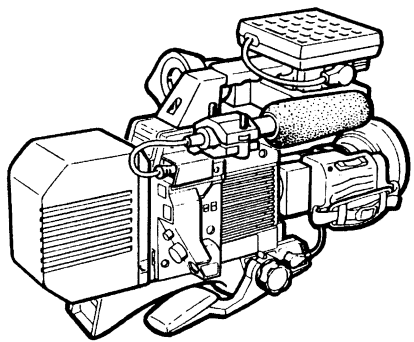
1. Place the character generator onto the accessory shoe while putting the slide stopper on the bottom case of character generator onto the screw on the shoe as shown in the figure.



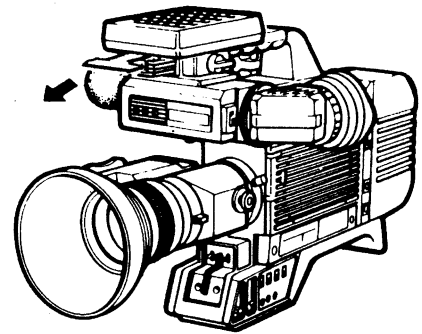
2. Slide the stopper of the character generator into accessory shoe to hold the character generator on the camera.



3. Connect the cable of character generator to the full keyboard titler connector on the side of camera.



4. When disconnect the character generator from the camera, pull the stopper of the character generator outward and then disconnect the character generator from the camera by pulling it outward.



Note : Make sure that the camera cable should be disconnected or power switch of VTR should be set to OFF position when install/disconnect the character generator to the camera.
When the character generator operates improperly by pressing incorrect button, then press the NORMAL button (6) or disconnect the backup battery and insert it again after approximately 30 seconds.

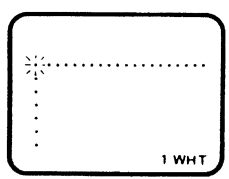
OPERATIONS

This optional character generator is attached on the accessory shoe of the camera and the cable of the character generator is connected with the camera.

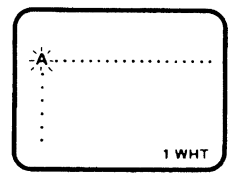
1. HOW TO MAKE TITLE

The titles on 8 pages and scroll are editing as follows;

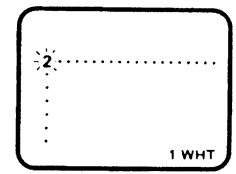
(1) Press the EDIT button (3) to display the first page and first position of the word is blinking.



(2) Press the WORD SHIFT button (9) and the asterisk (*) mark appears infront of the page No. and colour indication when/if the numerical number/symbol or words/symbol of Ä Ö Ü À ÆÑ Ø marks are desired, and if not alphabetic word were selected at first.



Alphabetic Selection



Numerical No./ Symbol Selection

ORIGINAL	1 WHT A
↓	↓
Press WORD SHIFT	*1 WHT 1
↓	↓
Press WORD SHIFT	*1 WHT Ä
↓	↓
Press WORD SHIFT	1 WHT A

(3) Press the WORD SIZE button (4) for selecting the word size as;

(i) Titles in 8 pages :

Small Size : 20 words x 7 rows per page
↓
Middle Size : 10 words x 4 rows per page
↓
Large Size : 7 words x 2 rows per page

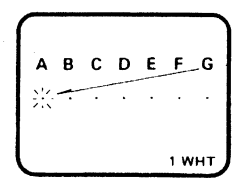
The word size per page is used only one size.

(ii) Titles in Scroll :

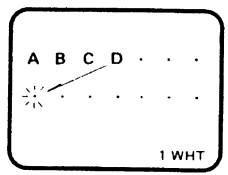
The mixtures of the word sizes can be possible for the titles in scroll and the maximum rows for the titles in scroll are 40 rows, but the same size of words per row are used.

Small Size : 20 words per row x 40 rows
↓
Middle Size : 10 words per row x 40 rows
↓
Large Size : 7 words per row x 40 rows

(4) Press the desired button on the Character Key Board buttons (11).
The blinking position is automatically shifted to next position when the last word of the row is selected, the blinking position is shifted to the first position of the next row.



(5) Press the RETURN button (8) for shifting the blinking position to the first position of the next row when the sentences/characters are completed in the middle of the row and the new sentences/characters is desired to start from the next row.



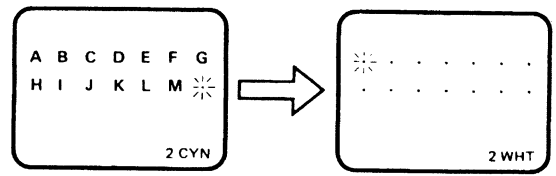
(6) Press the SPACE button (7) for space between words.

ABC DEF

(7) Press the DELETE button (6) for resetting the characters as;

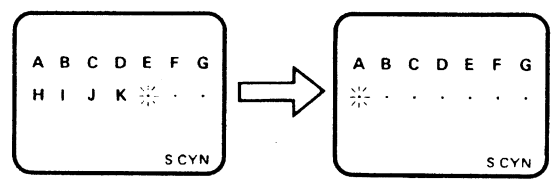
(i) Titles in the page of 8 pages

Reset the all characters in that page and the character color becomes white (WHT).



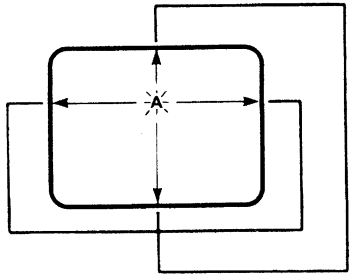
(ii) Titles in Scroll

Reset the all characters on the row with blinking position.



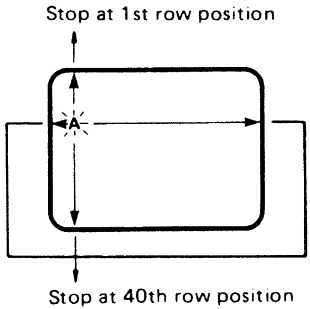
(8) Press the SHIFT button (10) for correcting the characters.

(i) Titles in the page of 8 pages



The blinking position is circled on the same row or column.

(ii) Titles in Scroll

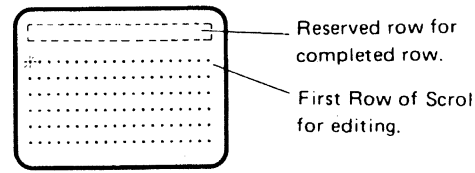


The blinking position for row is circled on the same row. The blinking position for column is shifted up until 1st row and stop, the blinking position for column is shifted down until 40th row and stop.

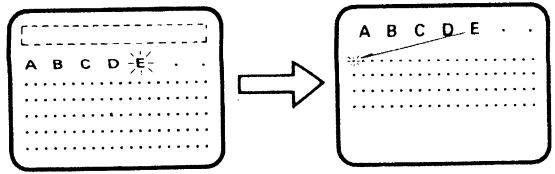
The first row position with broken line is reserved for completed row.

The marks (◄, ►) buttons are shifting the blinking points to left or right for correcting/ setting character.
However, the marks (▲, ▼) are shifting the row with blinking and the blinking point is returned to the first position of previous or next row as shown following.

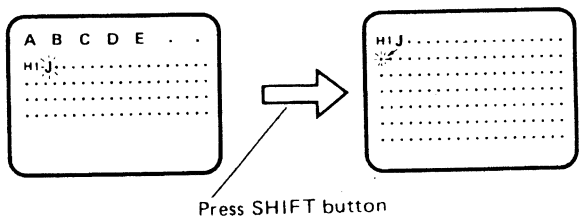
o Initial Condition of Scroll



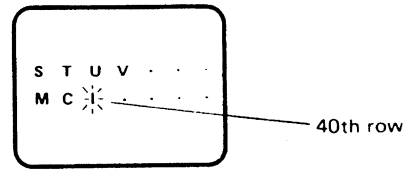
o Press the SHIFT button with mark (▲) and the completed/ edited row shift to the reserved row and blinking point is returned to the first position of next row.



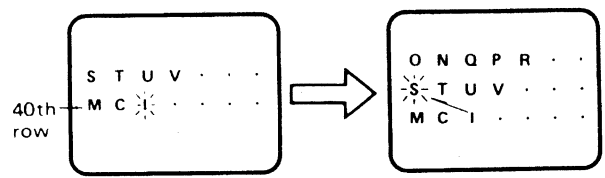
o Again press the SHIFT button with mark (▲) after completion of editing.



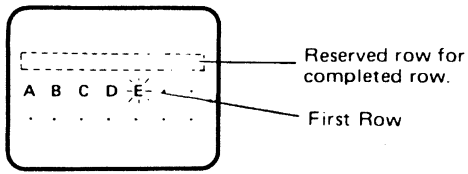
o Press the SHIFT button with mark (▲) when/after the editing of 40th row is completed, the blinking position is stayed as it is and the 40th row is not shifted up.



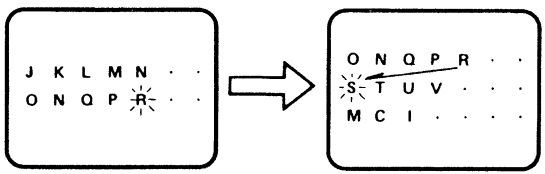
o Press the SHIFT button with mark (▼) at 40th row, the blinking position is returned to the first position of the previous row.



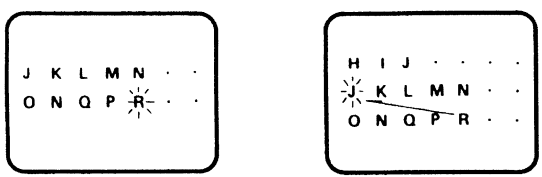
o Press the SHIFT button with mark (▶) when/after the editing of first row is completed, the blinking position is stayed as it is and the first row is not shifted down.



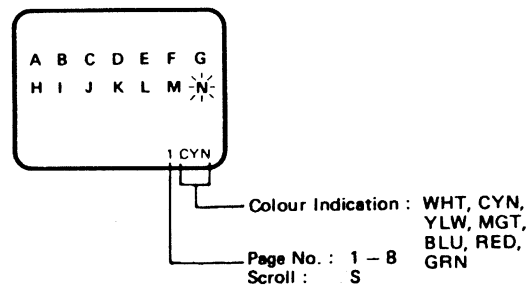
o Press the SHIFT button with mark (▲) at the row between 1st row and 39th row.



o Press the SHIFT button with mark (▼) at the row between 2nd row and 40th row.



(9) Press the TITLE CLR button (5) for selecting the colour of the characters per page and scroll.
The page and scroll with colour indication is shown in the right down corner of the screen.

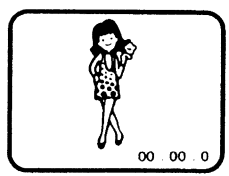


(10) Press the MEMORY button (3) to memorize the title characters in pages and scroll after the completion of titles.
These memory are kept by the back-up battery (Alkaline-Manganese Button Type) for approx. 1 year when the new and fresh battery is used.

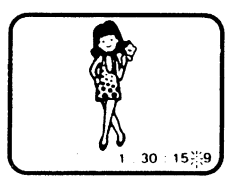
2. STOPWATCH

The stopwatch is not displayed at scroll display and editing titles.

(1) Press the STOPWATCH button (2) for displaying the initial stopwatch condition as;



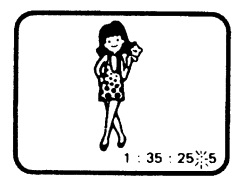
(2) Press the START/STOP button (5) to start the stopwatch function.



The colon for second is blinking per second for counting the time.

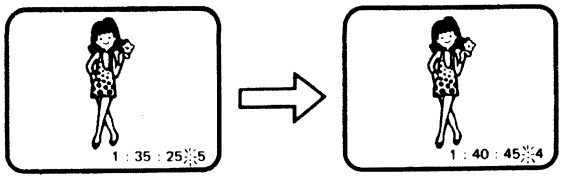
indicates 1 hour 30 minutes 15 seconds and 9.
The minimum time unit is a tenths (1/10) seconds.
The maximum stopwatch time is 9:59:59:9.

(3) Press the LAP/RESET button (3) to show the lap time.

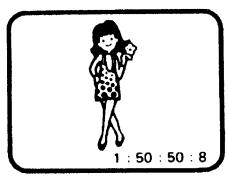


The colon for second is also blinked per second for counting the time during lap function.

(4) Again press the LAP/RESET button (3) to back for normal stopwatch function.

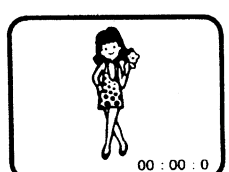


(5) Press the START/STOP button (5) to stop the stopwatch function.

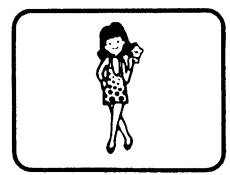


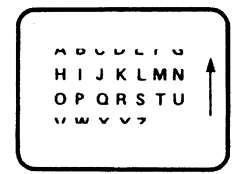
When the stopwatch function is stopped, the blinking colon is also stopped.

(6) Press the LAP/RESET button (3) to reset the stopwatch time.



(7) Press the NORMAL button (6) to delete the stopwatch indication.





Scroll Function

When the scroll function or title editing is displayed, the stopwatch function is not displayed.

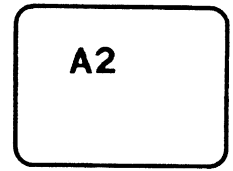
When the STANDBY switch of the camera is set to the standby position while operating the stopwatch, the stopwatch function of character generator is reset.

3. COLOUR FADE IN AND FADE OUT

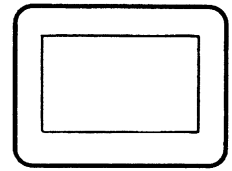
(1) Set the FADE MODE SWITCH on the camera for desired position. Colour of fade in/out colour can be set as follows.

FADE MODE SWITCH position	Fade in/out colour
BLACK	Black
WHITE	White
EXT	Selection of White, Cyan, Yellow, Magenta, Blue, Red or Green of character generator

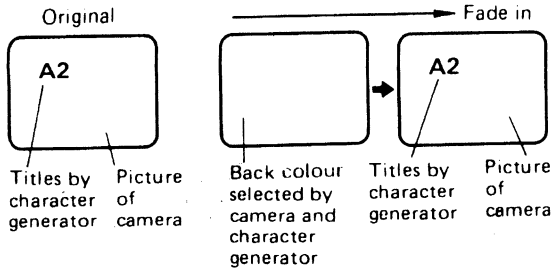
(2) Press the TITLE button (1) in the normal function for displaying the titles.

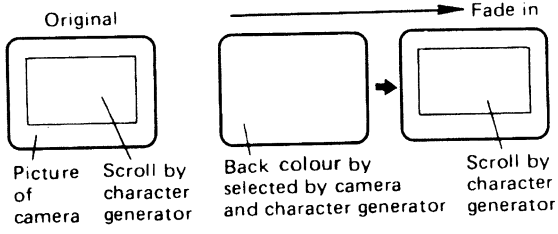


Press the SCROLL button (4) instead of TITLE button (1) in the normal function for displaying the titles.



(3) Press the FADE SWITCH and REC start switch on the camera for colour fade in displaying the titles. Colour fade in/out can be performed when the titles of character generator is displaying.





(4) Press the FADE switch and REC start switch on the camera for colour fade out function.

SPECIFICATIONS

Power Source :	8.6V DC 0.43W
Backup Battery :	LR44 or SR44 1.5V x 3
Weight :	0.18 lbs (80 g)
Dimensions :	2-9/16" (W) x 1-1/16" (H) x 3-9/16" (D) 65 (W) x 26.7 (H) x 90.5 (D) mm

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.